

C1 Agent Rec



(126142109) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin

05/07/2010 02:21 PM

01.Name:Terry Masters
02.Organization:C.I. Agent Solutions
03.Email:terry@ciagent.com
04.Phone:8662424368
05.Type:technology
06.Briefdesc:C.I. Agent Solidifiers are a non-toxic, non-hazardous, non-corrosive, environmental friendly food grade polymer that can turn any hydrocarbon into a rubber-like mass instantaneously on land or water and will prevent the devastating effects oil has on reaching the environment...all someone has to do is step out of the box and review this cutting edge technology and use it!
07.Perfcriteria:Listed on the EPA's NCP it has met all the critieria to be used in loose powder form on any moving waters
08.Cost:Becasue C.I. Agent has been time tested and proven over the last decade to reduce the labor and cleanup costs by over 2/3rd and in many cases totally eliminate disposal costs, it becomes a very simple and cost effective method of cleanup over, especially over the present dated and antiquated systems still being used by clean up companies today
09.Throughput:Remember, Clean up Companies sell time and service...the longer it takes to clean up, the more they can bill those responsible and the government
10.fieldtested:yes
11.Fieldtestingdesc:Multriple river, lakes, ponds and at present being used along a 40 mile shorline of Alabama's Dauphin Island
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: 74-143-68-202.static.insightbb.com (74.143.68.202)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Genetic: Hydro BioSolve
Re



(126131308) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 01:13 PM

water
Surface washing

01.Name:Stephen LaRoche
02.Organization:Westford Chemical Corporation - BioSolve
03.Email:slaroch@biosolve.com
04.Phone:508-878-5895
05.Type:technology
06.Briefdesc:BioSolve Hydrocarbon Mitigation Technology is well suited for the type of petroleum involved in this spill. BioSolve has been UL listed for Vapor suppression and fire mitigation of class B liquids and is an NCP listed Surface Washing Agent that is utilized for land based petroleum remediation.
07.Perfcriteria:Please contact us via telephone to discuss technical details of various applications.
08.Cost:dependant upon application type- i.e. shoreline cleanup, vapor suppression, equipment decontamination, vapor suppression/ dispersant applications, etc.
09.Throughput:20,000 gallons of concentrate per day.
10.fieldtested:yes
11.Fieldtestingdesc:Extensive testing & use and results worldwide.
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.
Submitting script: /cgi-bin/mail.cgi
Submitting host: c-24-147-18-33.hsd1.ma.comcast.net (24.147.18.33)
Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.0.10) Gecko/2009042316 Firefox/3.0.10
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

oh Schedule



(124163144) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
: Morrison

Bio

05/05/2010 04:31 PM

oh Low Fall

01.Name:Robert Tilley
02.Organization:SafeTek USA
03.Email:rftilley@safetekusa.com
04.Phone:904-318-2403
05.Type:technology, process, system
06.Briefdesc:Oppenheimer Formula for land applications. Ultra-Microbes in 25
lb bags and palletized. Bentonite clay formula for beach and land.
07.Perfcriteria:Oppenheimer Formula specifications
08.Cost:\$220/ea bag
09.Throughput:15tons per week
10.fieldtested:yes
11.Fieldtestingdesc:Oppenheimer Formula specifications
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.
Submitting script: /cgi-bin/mail.cgi
Submitting host: c-98-208-167-10.hsd1.fl.comcast.net (98.208.167.10)
Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.1; WOW64; Trident/4.0; GTB6.3; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; .NET CLR 1.1.4322; FDM; .NET4.0C; .NET4.0E; InfoPath.3)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(125130100) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/05/2010 01:01 PM

Already on Product Schedule
Surface water dispersant

01.Name:Richard Fredricks
02.Organization:Maritime Solutions, Inc.
03.Email:rfredricks@maritimesolutionsinc.com
04.Phone:1-410-507-0480
05.Type:technology
06.Briefdesc:Dispersant - Dispersit SPC 1000 is a Schedule J NCP-listed dispersant that is ~~ægreeneræ~~ in that it is a water-based dispersant, much less toxic when applied to oil as well as in human contact, works in fresh and brackish water as well as salt water unlike petroleum based products, is non-flammable and has no transport limits. Importantly, it can be produced at a rate of 25,000 gallons per day at Houston, TX and Chestnut Ridge, NY.

07.Perfcriteria:Dispersit SPC 1000 is intended for spill response application in exactly the same manner and proportion as petroleum-based products.

COMPARITIVE EFFECTIVENESS

In the United States, the National Contingency Plan List is the final authority for data on dispersants authorized for use in our waters. Dispersit was included on the NCP list April 22, 1999. Published comparative data offer insight into the relative effectiveness and toxicity of the products. Two crude oils are used for testing effectiveness: South Louisiana, a light crude and Pruhoe Bay, a heavier crude. Dispersit was tested by Battelle Labs, Duxbury, MA. The Dispersit results are 100% for SL and 40% for PB with a blended average of 70%. E.P.A. confirmation testing yielded 50% for SL and 52% for PB with a blended average of 51%. Additional studies have uncovered another advantage of this waterbased product. Vessel based application is a favored response approach which typically uses water eduction application systems. Petroleum based dispersants lose most of their effectiveness when premixed with water. Dispersit shows little loss when premixed (diluted) since it is waterb

ased. Thus, the new waterbased technology is demonstrated to be at least as effective and, maybe significantly more so, than its petroleum alternative.

COMPARATIVE MARINE TOXICITY

Toxicity is determined by the effect of the dispersant mixed with No. 2 fuel, oil 10:1 on Menidia Beryllina and Mysidopsis Bahia after 96 and 48 hours respectively. The oil itself is toxic at about 11 PPM. Dispersit with oil is toxic at 7.9 PPM upon Menidia and 8.2 PPM upon Mysidopsis. Thus, the toxicity of the waterbased alternative is one half to one third the toxicity than that of the petroleum based products. Toxicity testing was performed on Dispersit by Coastal Bioanalysts Gloucester, VA.

COMPARATIVE HUMAN HEALTH EFFECTS

A review of the Material Safety Data Sheets (MSDS) of Dispersit and any oil based dispersant illustrates the dramatic difference between the water and oil based effects on human health. Dispersit is essentially water and surfactant (soap). The application of Dispersit via spray should be conducted using goggles, gloves and respirator to avoid discomfort. The potential health effect is ~~æslight to noneæ~~ with protective equipment. As stated in MSDS, petroleum-based products can cause central nervous system depression, nausea, and unconsciousness. It can cause liver, kidney damage, and red blood cell

hemolysis with repeated or prolonged exposure through inhalation or ingestion according to the MSDS. The threat to human health via exposure is characterized as "MODERATE". In sum, waterbased Dispersit is a material improvement in human health effects when responding to an oil spill.

Please see Product Description posted at: www.USPoly.com , General Industrial Product, Oil Spill Dispersant.

08.Cost:Price List:

40-83 55 gallon drums - \$32.50 per gallon

84+ 55 gallon drums - \$29.95 per gallon

Truckloads are available Price upon request.

Price basis FOB New York or Texas

09.Throughput:It can be produced at a rate of 25,000 gallons per day at Houston, TX and Chestnut Ridge, NY.

10.fieldtested:yes

11.Fieldtestingdesc:Dispersit SPC 1000 has been sold and used widely in marine spill responses around the world including, for example, in Mexico, Trinidad and Tobago, Brazil, Korea, and the UAE. Regrettably, it has not yet been used in a spill response in the United States because of the oil industry's exclusive use of one particular petroleum-based product.

button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: 17.sub-75-226-16.myvzw.com (75.226.16.17)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB6.4; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(121084048) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl
:

05/02/2010 08:40 AM

On Schedule
Recommend Solidifier

01.Name:Jesse Tameling
02.Organization:SET Environmental
03.Email:jesse@setenv.com
04.Phone:847-627-9240
05.Type:process
06.Briefdesc:Skirted Oil Containment Boom and oil skimming systems for recovery. Using of solidifiers such as CI Agent to help micro encapsulate oil.
07.Perfcriteria:CI Agent or other solidifiers work to encapsulate at ratio if 1 to 4 ratio for agent/oil.
08.Cost:Varies on size of systems.
09.Throughput:Estimated Daily recovery capacity varies based on system specifications.
10.fieldtested:yes
11.Fieldtestingdesc:Oil Spill recovery projects we have completed.
button:Send

Not sorbent of Boom Idea

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: 166.sub-97-3-24.myvzw.com (97.3.24.166)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; GTB0.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.04506.648; InfoPath.1)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(136101604) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/17/2010 10:16 AM

* Already on Schedule

OSE II

01.Name:Steven Pedigo
02.Organization:OSEI Corporation
03.Email:oseicorp@msn.com
04.Phone:972 669 3390
05.Type:technology, process
06.Briefdesc:OSE II is listed on the EPA NCP list for oil spills,
07.Perfcriteria:OSE II remediates 100% of a spill to CO2 and water, 100% sum gain when OSE II is utilized as opposed to dispersants who have no tests to prove they do any thing other than sink oil for a ZERO sum gain. OSE II converts oil to CO2 and water as substantiated on EPA's web site on the NCP listing of OSE II with a fresh bioremediation test at LSU. Our technical package which can be found on our website at www.osei.us also contains additional EPA efficacy tests as well as numerous other efficacy test, and case studies. OSE I has also had numerous other toxicity tests to show OSE II is virtually non toxic, has trace elements tests, BOD information, and was forced by the EPA to do the EPA swirling flask test for dispersants, which OSE II fiailed and actually proved OSE II causes hydraulic lift which prevents oil from sinking causing secondary, or more adverse impacts to the environment. RRT 6 has had successful experience on the OSAGE Indian reservation in Oklahoma, an
d BP contractors have used OSE II on a well blow out in Trinidad and Tobago, and on the BP refinery in Crete. OSE II is not a new technology, it has been cleaning up spills since 1989 for all 5 branches of the military and has cleaned up over 14,000 spills around the world
08.Cost:For each gallon spilled it requires approximately 2.00\$ of OSE II to clean up oil. For the drums coming from Seoul South Korea the cost is a little more but once manufacturing is ramped up the cost will be approximatley 2.00\$ for each gallon of oil to clean up. This is cheaper than dispersants that do not clean up any thing, compared to OSE II which will clean up 100% of the oil it is applied to.
09.Throughput:Each 55 gallon drum of OSE II will clean up 2,750 gallons of oil, and can be applied through eductors on vessels, by aircraft just like dispersants, and can be applied by simple pump up hand sprayers. OSE II is so not toxic you can wash your hands and clothing with OSE II.
10.fieldtested:yes
11.Fieldtestingdesc:RRT 6 has had successful experience on the OSAGE Indian reservation in Oklahoma, and BP contractors have used OSE II on a well blow out in Trinidad and Tobago, and on the BP refinery in Crete. OSE II is not a new technology, it has been cleaning up spills since 1989 for all 5 branches of the military and has cleaned up over 14,000 spills around the world. OSE II is the 100% sum gain when used compared to dispersants of which you spend all that money for a ZERO (0) sum gain the choice should be easy for this tried and trued product which has substantiated testing to prove it remediates oil to CO2 and water.
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal,



(136101604) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

on schedule
not for open
water

05/17/2010 10:16 AM

01.Name:Steven Pedigo
02.Organization:OSEI Corporation
03.Email:oseicorp@msn.com
04.Phone:972 669 3390
05.Type:technology, process
06.Briefdesc:OSE II is listed on the EPA NCP list for oil spills,
07.Perfcriteria:OSE II remediates 100% of a spill to CO2 and water, 100% sum
gain when OSE II is utilized as opposed to dispersants who have no tests to
prove they do any thing other than sink oil for a ZERO sum gain. OSE II
converts oil to CO2 and water as substantiated on EPA's web site on the NCP
listing of OSE II with a fresh bioremediation test at LSU. Our technical
package which can be found on our website at www.osei.us also contains
additional EPA efficacy tests as well as numerous other efficacy test, and
case studies. OSE I has also had numerous other toxicity tests to show OSE II
is virtually non toxic, has trace elements tests, BOD information, and was
forced by the EPA to do the EPA swirling flask test for dispersants, which OSE
II fiailed and actually proved OSE II causes hydraulic lift which prevents oil
from sinking causing secondary, or more adverse impacts to the environment.
RRT 6 has had successful experience on the OSAGE Indian reservation in
Oklahoma, an
d BP contractors have used OSE II on a well blow out in Trinidad and Tobago,
and on the BP refinery in Crete. OSE II is not a new technology, it has been
cleaning up spills since 1989 for all 5 branches of the military and has
cleaned up over 14,000 spills around the world
08.Cost:For each gallon spilled it requires approximately 2.00\$ of OSE II to
clean up oil. For the drums coming from Seoul South Korea the cost is a little
more but once manufacturing is ramped up the cost will be approximatley 2.00\$
for each gallon of oil to clean up. This is cheaper than dispersants that do
not clean up any thing, compared to OSE II which will clean up 100% of the oil
it is applied to.
09.Throughput:Each 55 gallon drum of OSE II will clean up 2,750 gallons of
oil, and can be applied through eductors on vessels, by aircraft just like
dispersants, and can be applied by simple pump up hand sprayers. OSE II is so
not toxic you can wash your hands and clothing with OSE II.
10.fieldtested:yes
11.Fieldtestingdesc:RRT 6 has had successful experience on the OSAGE Indian
reservation in Oklahoma, and BP contractors have used OSE II on a well blow
out in Trinidad and Tobago, and on the BP refinery in Crete. OSE II is not a
new technology, it has been cleaning up spills since 1989 for all 5 branches
of the military and has cleaned up over 14,000 spills around the world. OSE II
is the 100% sum gain when used compared to dispersants of which you spend all
that money for a ZERO (0) sum gain the choice should be easy for this tried
and trued product which has substantiated testing to prove it remediates oil
to CO2 and water.
button:Send

WARNING NOTICE

This electronic mail originated from a federal government
computer system of the United States Environmental
Protection Agency (EPA). Unauthorized access or use
of this EPA system may subject violators to criminal,

civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: pool-96-226-132-122.d11stx.fios.verizon.net (96.226.132.122)

Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_5_8; en-us)

AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(133202056) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
t Mehl, Reggie Washington, Ray
Morrison, Lara Autry, Eric Koglin,
thekogs2

2010 08:20 PM

on list Bio

feed
bioremediation

01.Name:Clem L Palmer Jr
02.Organization:Brownfield REM Corporation
03.Email:clempalmer@sbcglobal.net
04.Phone:713-895-7858
05.Type:technology, process, system
06.Briefdesc:Patented Bio-Remediation products that are listed with the EPA on the National Contingency Plan Product Schedule and the State of Texas General Land Office for OIL SPILLS. Product was engineered using crude oil and salt water from the Gulf of Mexico over 20 years ago. Contact us for a 74 page overview that includes all details, case studies and certifications.
07.Perfcriteria:Non Mutated Microbes feed on crude oil and once oil is gone will break down naturally. By-product is a fatty acid, non toxic plant and fish food that is assimilated instantaneously into the ecosystem through root uptake in plants and intestinal tract absorption in all living organisms. These products are certified all over the world and are PROVEN. It begins to work immediately. It can be applied dry or wet and is proven to work on land and sea. Combined with corn starch for water application and bentonite clay for land application. All case studies and certifications available for review.
08.Cost:\$9.00 per pound FOB our factory. 2000 pounds per ton. 1ton treats one square mile of water OR 1 ton treats 10 miles of beach front. This is a 10 billion microbes per gram formula. Higher concentration formulas are available. Custom blends are available and necessary in certain cases.
09.Throughput:Product works on contact. Throughput depends on delivery mechanism. Can be applied with a flour sifter or by pump from boats or dropped by aircraft.
10.fieldtested:yes
11.Fieldtestingdesc:This Oppenheimer Formula "One" has been on the EPA list for nearly 20 years. Tested and certified in the State of Texas, State of Florida, State of Massachusetts, State of Michigan, Italy and Japan. Listed on EPA NCPSP. Megaborg Oil Spill Video on You Tube - keyword Megaborg Oil Spill. Produced by Texas General Land Office. All certifications and case studies available for review.
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.
Submitting script: /cgi-bin/mail.cgi



(124142738) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 02:27 PM

*Surface water
bioremediation*

01.Name:Robert Tilley
02.Organization:SafeTek USA
03.Email:rftilley@safetekusa.com
04.Phone:904-318-2403
05.Type:technology, process, system
06.Briefdesc:Microbial Product
07.Perfcriteria:Ultra-Microbes(tm), a biological/microbe product, has been approved by the EPA and added to the list of approved products for water applications involving oil spills. Having been tested extensively by an Italian university and found to be harmless to plant and animal life and safe for the environment, the Ultra-Microbes(tm) are added to containers of sea water and mixed. This mixture is then be sprayed onto the ocean surface to immediately start remediating the oil. The microbes quickly digest the oil as a food source and break it down into carbon, CO2 and a white protein that is basically fish and plant food. The oil becomes non-hazardous, and when all oil is digested the microbes die.

SafeTek USA Announces EPA Approved BP Oil Spill Solution that Literally Eats Oil

Ultra-Microbes(tm) can be used in the following ways

- Sprayed directly on the open water slick. These microbes are designed to eliminate oil slicks and go to work immediately digesting the oil into harmless and environmentally friendly carbon, CO2, and protein.
- Sprayed directly onto the beach, rocks, vegetation, shoreline, jetties, etc, Ultra-Microbes(tm) starts digesting the oil, rendering it harmless to both plant and animal life.
- Used in the water while caring for oil contaminated animals, Ultra-Microbes(tm) digests any remaining oil after cleaning and then dies leaving the animal with a "rust" of protein that will easily fall off in a few days.

The key in is to simply get the microbes to cover as much area as possible and allow the microbes to spread out and colonize and attack the oil. 5 billion microbes (per gram) reproduce quickly while eating the oil and become 5 trillion within hours. Each microbe is digesting and remediating the oil sheen as it thrives.

SafeTek USA currently has 5 tons available with a manufacturing capacity of 12-15 tons per week. Please contact SafeTek USA at 1-877-620-SAFE for more information.

08.Cost:\$19,000 per 1sq mile of open water or 4 acres of land
09.Throughput:12-15 tons per week of production availability.
10.fieldtested:yes
11.Fieldtestingdesc:(Oppenheimer Formula)
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental

Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: c-98-208-167-10.hsd1.fl.comcast.net (98.208.167.10)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.1; WOW64;

Trident/4.0; GTB6.3; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; .NET CLR 1.1.4322; FDM; .NET4.0C; .NET4.0E; InfoPath.3)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(124162346) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/05/2010 04:23 PM

01.Name:Robert Tilley
02.Organization:SafeTek USA
03.Email:rftilley@safetekusa.com
04.Phone:904-318-2403
05.Type:technology, system
06.Briefdesc:For lining a beach with these units and allow them to tumble in the surf to absorb emulsified and free oil, microbes will remediate the oil as well. Surf X-Tex floating microscopic sponge with shoreline anchors, treated with OPPENHEIMER FORMULA microbes
07.Perfcriteria:Contaminants absorbed by X-Tex microscopic sponge material while OPPENHEIMER FORMULA microbes eat oil.
08.Cost:\$110/ea 10'W x 5"L
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:Stays anchored to beach and preforms as desired.
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: c-98-208-167-10.hsd1.fl.comcast.net (98.208.167.10)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.1; WOW64;

Trident/4.0; GTB6.3; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; .NET CLR 1.1.4322; FDM; .NET4.0C; .NET4.0E; InfoPath.3)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt

SPONGE

add bags

≤ IN MOSCH - HPP.

Sorbent + OPP Form.

SPX Delivery for OPP Form.

Surface water
(to land)
bioremediation

Letted: Roto Sech KC
SWA



(121123253) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 12:32 PM

History: This message has been forwarded.

01.Name:david h naylor
02.Organization:retired
03.Email:davenaylor@verizon.net
04.Phone:609-221-8699
05.Type:technology, process, system
06.Briefdesc:this is an encapsulating agent that is applied directly onto surface oil on water using convential firehose equipment.. officially classified as an oil dispersant "sinking agent" by the epa this product disperses a microbial food which is the combination of the oil and product. this product has been used worldwide and is recognized by the US coast guard and epa as petrotech 25. inventor has died, however product is still manufactured and i have had a 15 year history with the produc.
07.Perfcriteria:sprayed on oil this would encapsulate the oil molecule and keep it from sinking. depending on condition bioremediation could take as little as 100 days. sprayed on estuaries product would not allow oil to adhere. product does render oil nonflammable instantly so once sprayed oil could not be recovered for future use as gasoline nor set on fire for remediation.
08.Cost:product cost is less than .20 per gallon treated
09.Throughput:the primary reason this product has not been considered on oil spills is that the decision has always been the contractor's and this would eliminate most of cost if used prior to oil hitting land. owner passed away . without ever realizing his dream.
10.fieldtested:yes
11.Fieldtestingdesc:Israelio Ministry of the Enviroment, greek epa+fire service,us forestry & agriculture, sinapore port authority, CEDRE (madrid treaty-Salt- Freshwater)ABS (american Bureau of shipping) EMPA (switzerland) CNPP France Ropme (kuwait & Gcc and many more. pilot test can be done in a 3 hour spray. i am retired and will work for free to help you see this wonderful product . i was very close to the inventor and it would be for him that i make this offer.
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: pool-98-114-248-10.phlpa.fios.verizon.net (98.114.248.10)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; WOW64;



(123232049) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/04/2010 11:20 PM

on Schedule
Surface water
bioremediation

01.Name:Dale Barnes, Project Coordinator
02.Organization:BioWorld Products, Inc - Visalia California USA
03.Email:mail@BioWorldUSA.com
04.Phone:559.651.2042 or 559.732.6598
05.Type:technology, process, system
06.Briefdesc:BioWorld has prepared for "Large Scale" oil spill cleanup since the Prestige in Spain, Katrina, South Korea, San Francisco and others. We have updated our S.O.P for product production ramp up, HAZWOPER trained staff-management, transportation and general product application techniques. Our innovative formulations, known as the BioWorld Advanced Bioremediation Technology, developed specifically for oil spill cleanup began in our research into soil microbiology and the rapid reproduction of indigenous microbes for crop production during our 20 plus years of experience. Improvements in the BioWorld Bioenhancement formulations proved effective when combined with the BioWorld Hydrocarbon Degrading Microbes in degrading all types of oil. The total formulation literally creates a microbial reproduction factory in the contaminated crude oil site and rapidly degrading hydrocarbons as indicated by the outstanding laboratory results - 97% reduction alkanes; 88% reduction of aromatics. See EPA-NCP listing - #B59.
<http://www.epa.gov/oem/content/ncp/products/bioworld.htm>.
07.Perfcriteria:Our attack of the current BP Horizon spill would consist of applying the BioWorld Advanced Bioremediation products at the leading edge between the spill and the shore. Our primary goal is to treat the oil in the open water. However, the BioWorld is also extremely effective if needed in the marshes, wetlands, beaches, sands, rocks, vessels. piers, docks and others. Our BioWorld scientists have also developed methods of using our Advanced Bioremediation products to clean up the boats, booms, equipment, etc. BioWorld Advanced Bioremediation Technology is for all types of petroleum hydrocarbons, both ringed and straight chain with 97% reduction of crude oil per EPA-certified independent laboratory. Projects available upon request such as 4000 yards Bunker "C" from 6000ppm to 100ppm on desert site.
08.Cost:The cost will vary greatly because of the factors that dictate product performance and limitations such as scale of application, viscosity of oil, and environmental conditions which influence exponential growth of the microbes from BioWorld Bioremediation products. Basically, the BioWorld Microbes will thrive in the crude oil as their primary food source while creating enzymes to assist with the breakdown in the process. Therefore, each surface acre of water applied with the BioWorld Products could have 5, 10, 100 or maybe even 1000 acres of water surface area cleaned up as a result of the BioWorld Advanced Bioremediation products exponential reproduction capabilities. The BioWorld Products need to be applied to this spill ASAP so the full potential of the technology can be evaluated. Cost examples as follows: Open Water - \$2,750 per surface acre of BioWorld product applied once. Keep in mind that if 10 acres are cleaned with 1 acre treated with the BioWorld product
 , then the real cost is \$270 per surface acre of water. Conversely, the wetlands, marshes and beach will require \$2,750 per acre with probable multiple applications needed. These estimates are for the BioWorld Products only - applications can be with the C-130 or other available aircraft and by barge or ship. Our engineering, labor, equipment, shipping, etc. costs are not included in these estimates but are available upon request.
09.Throughput:BioWorld has the S.O.P ready for a "Large Spill" and is capable

of ramping up production in 5 to 7 days. The initial quantity of product will cover approximately 450 applied surface acres per day - 5 to 6 truckloads. (Keep in mind that the reproduction on site could realistically affect 2250 to 9000 surface acres cleaned of oil - light sheen to heavy crude. Our estimated full capacity in 3-4 weeks is about 1000 surface acres per day of production - 10 to 12 truckloads. Costs per truckload are available upon request. --- We have been preparing for large oil spills over the last 20 years and we have the knowledge, technology and products to assist you in your cleanup efforts. We are also GSA listed as a Woman Owned Small Business and have a SDVBE, Minority, Small Business as a distributor. We really appreciate your time in review of our information.

10.fieldtested:yes

11.Fieldtestingdesc:Our Advanced Bioremediation Technology has been used in numerous types of waste, including crude oil, for about 20 years. (ISA4031) Please see our website for a few of the projects- www.adbio.com and new site being built www.BioWorldUSA.com
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: 66-17-32-58.biz.visl.arrival.net (66.17.32.58)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1; WOW64;

Trident/4.0; SLCC2; .NET CLR 2.0.50727)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(122165934) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 04:59 PM

01.Name:Ralph Elliott
02.Organization:SEEK Enterprises
03.Email:elliotttriii@msn.com
04.Phone:904-545-0377
05.Type:technology

06.Briefdesc:Bioremediation of Oil Spills

Bioremediation is a natural process that utilizes the activity of microorganisms, primarily bacteria and fungi, to recycle basic elements of waste products back into the biosphere. On occasion, due to many factors, the environment may be loaded in such a way that these natural processes are inhibited either due to the concentration of pollutants or other factors like the incorrect C:N:P balance.

Bioaugmentation is the purposeful inoculation of an environment with selectively adapted microbes to accelerate the natural processes.

Bioaugmentation has been demonstrated to be successful in: enhancing the performance of biological wastewater treatment systems; accelerating bioremediation of organic chemical and petroleum spills; accelerating ecosystem restoration of lakes, ponds, rivers and other natural bodies of water; among others.

The byproduct of this process through aerobic pathways is carbon dioxide, water and bacterial cells. Obviously, this does not occur in one step but rather a series of steps mediated by the enzymes expressed by the bacteria. In order to proceed with spills, such as hydrocarbon spills, there must be provisions made to have a C:N:P ratio of approximately 100:5:1. In the case of oil spills in terrestrial environments, this can be accomplished with granular fertilizer. Where the hydrocarbon is on the open water or in tidal zones, a lipophilic nutrient that has an affinity for the hydrocarbon and will stay attached to the hydrocarbon where the bacteria need it is the product of choice. In EPA tests the best lipophilic nutrient based on performance is System ET-20. Information on this lipophilic nutrient is attached to these e-mails.

Bioremediation is most effective and economical in situations where the concentrations of petroleum in the water or in soil is less than 10%. Where pure product is present, the most effective course of action is recovery using oil-water separators, skimmers, etc. Areas where the petroleum is more diffuse, will be excellent candidates for bioremediation. This will include sections of the oil spill on water that have broken up at the perimeter, treatment of environmentally sensitive areas, such as the mangroves, and on the beaches and shore areas once gross contamination has been removed.

While the bacteria will produce their own biosurfactants, the process can also be accelerated with a lipophilic surfactant. The most effective of these that Ecological Laboratories has tested is BIOthek aqua from fabachem chemische verfahrenstechnik in Austria. As with the lipophilic nutrient, the lipophilic surfactant attaches to the hydrocarbon rather than getting diluted in the water on ocean-based spills.

MICROBE-LIFT Ind is a bacterial consortia capable of functioning in almost any environment. It contains a number of hydrocarbon degrading bacteria, including photosynthetic bacteria that can be driven by sunlight to break down organics. The product is available in a liquid form and has been used in treating oil spills and other contaminants in both terrestrial and aquatic environments. As a liquid, MICROBE-LIFT Ind can be diluted and sprayed on contaminated soil or oil spills on the water. One gallon diluted with 50

LOS

1 NOS

1 PS

for Bio as
Cleanup
w/ PS
Suggesting

Bioremediation

ON
Schedule

NOS

gallons of water can be used to treat one acre of surface area. Higher application rates can be used to increase the rate of biological activity and pollutant breakdown, to a point. At this rate, 640 gallons of product can treat one square mile of contaminated ocean or beach. The product can be applied by helicopter or plane much in the same manner as cropdusting. If on the beach, the best approach is to bulldoze the contaminated sand or soil out of the tidal zone and windrow the contaminated sand or soil, adding bacteria, nutrients and surfactant as required.

The System ET-20 and MICROBE-LIFT Ind have toxicology studies that show that they are safe to use in the environment.

In addition to the obvious economic and technical advantages of bioremediation there are political advantages as well. Even if bioremediation is only part of the solution it is the "greenest" way to approach the cleanup of many components of the petroleum. This can be touted as a way to treat the spill in the most environmentally benign fashion as it uses natural processes.

07.Perfcriteria:

08.Cost:

09.Throughput:

10.fieldtested:yes

11.Fieldtestingdesc:

button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: 18.sub-75-248-71.myvzw.com (75.248.71.18)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.0; WOW64; GTB0.0; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.21022; .NET CLR 3.5.30729; .NET CLR 3.0.30618)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(130150130) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o t Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/11/2010 03:08 PM

*land
bioremediation*

01.Name:Jim Lynn
02.Organization:IEP
03.Email:Jim.Lynn@iepusa.com
04.Phone:610 935 7062
05.Type:technology
06.Briefdesc:A clean up and remiation process
07.Perfcriteria:coagulates oil shen into a gel
08.Cost:1/10 manual &chemical solutions
09.Throughput:1:1
10.fieldtested:yes
11.Fieldtestingdesc:International Environmental Products (IEP) owns and produces the patented solution for Oil Spill remediation on land, water and inside water born vessels. The unique process permanently, environmentally and most significantly solves the economical problem of oil spills, leaks and sheens on water. OilGoneâ„¢ S-200 is a safe and easy to use bioremediation accelerator using normally found indigenous bacteria to degrade the hydrocarbon. It has been universally and internationally used on the Prestige tanker spill off coast of Spain to the Valdez in Alaska to gas station clean ups to home driveway spills.

I have attached some information for you to review. Please contact Jim Lynn to discuss how we can work together in the future.

Jim Lynn
President & CEO
RBL Environmental, llc
Two Villanova Center
795 E Lancaster Ave., Suite 280
Villanova, PA 19085

610 520 7665 work
610 520 7663 fax
484 432 7922 mobile

www.iepusa.com

button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.
Submitting script: /cgi-bin/mail.cgi
Submitting host: pool-173-75-235-183.phlapa.fios.verizon.net (173.75.235.183)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; Trident/4.0;
GTB6.4; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.30729;
.NET CLR 3.0.30729; msn OptimizedIE8;ENUS)
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt

3 ideas

Kio Agent - KRP
Same as System ET 10?



(124162400) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/05/2010 04:24 PM

Surface water
bioremediation

- 01.Name:Anthony Russo
- 02.Organization:TradeHub International
- 03.Email:ARusso@TradeHubInternational.com
- 04.Phone:(843) 452-6309
- 05.Type:technology, process, system
- 06.Briefdesc:Part 1

MICROBE-LIFT PL (base component-Rhodospirillum Rubrum) is a 100% all natural, non-chemical, non-genetically altered bacterial consortia capable of functioning in almost any environment. It contains a number of hydrocarbon degrading bacteria, including photosynthetic bacteria that can be driven by sunlight to break down organics. The product is available in a liquid form and has been used in treating oil spills and other contaminants in both terrestrial and aquatic environments. As a liquid, MICROBE-LIFT PL can be diluted and sprayed on contaminated soil or oil spills on the water. One gallon diluted with 50 gallons of water can be used to treat one acre of surface area

Higher application rates can be used to increase the rate of biological activity and pollutant breakdown, to a point. At this rate, 640 gallons of product can treat one square mile of contaminated ocean or beach. The product can be applied by helicopter or plane much in the same manner as crop-dusting.

If on the beach, the best approach is to bulldoze the contaminated sand or soil out of the tidal zone and wPlrow the contaminated sand or soil, adding bacteria, nutrients and surfactant as required.

The System ET-20 and MICROBE-LIFT PL have toxicology studies that show that they are safe to use in the environment.

Part 2 Quantum LIGHT

This microbial consortium of only vegetative, photosynthetic microbes maximizes plant photosynthesis and increases additional reserve energy from nutrients, carbon and light. Contains no humic component. This can be used alone or in combination with the other products to boost the photosynthetic microbe (Rhodospirillum rubum) populations. Also Contains Bacillus Subtilis, Bacillus Amyloliquefaciens and others.

Part 3

Trivol 101 Containment is not to be compared to run of the mill absorbents such as peat moss cotton fiber and clay absorption products. These products are ABSORBENTS and will not float on water for long periods of time. Trivol 101 Containment is an ADSORBENT, meaning it attracts holds and contains the hydrocarbon on its surface and allows the CLEAN water to shade away. Containment rate depends on the type and nature of the hydrocarbon spill. A general rule on a water spill (where skimming will be used to remove the material) is about three lbs of Trivol 101 containment for one US gallon (4 liters) of crude oil. Approximately 1 1/2 US gallons of Diesel would be retained with three lbs. of Trivol 101

Trivol
on Subst
w/

Containment.

After the solidified oil and the Trivol 101 containment are skimmed/filtered or removed from the water they can be bio-regenerated with Trivol 102 Regeneration.

TOXICITY

â€œIn conclusion, Trivol 101 and Trivol 102 samples supplied to Dr. Fung by Ameret are free of the four (4) common important Foodborne Pathogens and will not be a source of contamination to the environment"

07.Perfcriteria:Microbe-Lift/Quantum Light will eliminate all contaminants without negatively impacting the environment. It will also remove any other heavy metals or contaminants that are present. It will impact Oil, Radioactive Materials, BODs, CODs and any other contaminant in the water. Results should be seen within days and can be measured weekly to show a reduction of oil concentration.

Trivol Begins working immediately and will instantly bring the oil together forming balls that can either be treated with the microbes or collected and the oil can be reclaimed.

Trivol

08.Cost:The Cost would vary based on the desired area of treatment, concentration levels, land or sea and method of application. It can be applied via crop duster, Hydro-Seeder, or by soaking the boons. At the highest potential cost it would be 2.5 Million Per Sq Mile, but that number can be dropped below 1 Million per Sq Mile depending on the usage rates. This would be for the initial treatment and it would drop substantially for reapplication if the contaminated area does not grow due to continued leakage.

09.Throughput:At this point we can handle up to 30 Sq Miles of Ocean space per week, we can increase that number exponentially once the process begins.

10.fieldtested:yes

11.Fieldtestingdesc:These products have been used, tested or evaluated by Dr. Laurie Achenbach, the Florida EPA, The Chinese Government (cleaned some of the dirtiest rivers in the country), Kansas State University, USC, Jacksonville Aquarium, Isles Worth Golf Course, The State of Illinois, State of Colorado, and many others. Research on the natural bacteria are well documented. All EPA approval and Certifications have been received.

button:Send

----- WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: 75-171-213-165.hlrn.qwest.net (75.171.213.165)

Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_6_3; en-us)

AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(128231443) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/09/2010 11:14 PM

01.Name:GW Watts
02.Organization:The Register
03.Email:gww1210@aol.com
04.Phone:863-688-9880
05.Type:technology, process
06.Briefdesc:Microbal digestion of oil into safe byproducts.
07.Perfcriteria:Microbal digestion of oil into safe byproducts.
08.Cost:Cost? --you tell me - you have this linked on your site!
09.Throughput:Amount of throughput, output relative to input? Apparently almost 100% of the used microbes are used up here, but don't quote me on that; ask the experts.
10.fieldtested:yes
11.Fieldtestingdesc:See this link:
<http://www.epa.gov/oem/content/ncp/products/oppenhei.htm> is a link to your own website

Oil-Devouring Microbes Cast as Environmental Super Heroes
Oppenheimer Biotechnology Offers Environmentally-Friendly Solutions to Oil Spill Recovery

-you already know about this technological process, so just do it already! LOL

TECHNICAL PRODUCT BULLETIN #B-36

USEPA, OIL PROGRAM CENTER

ORIGINAL LISTING DATE: JULY 17, 1991

REVISED LISTING DATE: OCTOBER 6, 1996

"OPPENHEIMER FORMULA"

(a/k/a The OPPENHEIMER FORMULA I, GENISIS WE-F, MIGHT MIKE BPT, NATURAL ENVIRO 8000 BIOREMEDIATION, PETRO-TREAT)

button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: cache-dtc-ad14.proxy.aol.com (205.188.116.208)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; AOL 9.0; Windows NT 5.1;

Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt

Listed: Cytosol



(121164246) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 04:42 PM

History: This message has been forwarded.

01.Name:David Trahan
02.Organization:Rapid Energy Services, LLC
03.Email:dtrahan@rapidenergyservices.com
04.Phone:337 291 2778
05.Type:technology, process
06.Briefdesc:Cytosol surface washing product. Proven over 25 years of application. The product is 100% plant-derived, does not disperse, it has proven effective in lifting and floating oil off of shorelines.
07.Perfcriteria:Cytosol is listed on the current (March 2010) product schedule for the EPA NCP. The product is enhanced with bionutrients capable of accelerating natural indigenous populations of microbes to metabolize residual oils.
08.Cost:Product is applied in variable amounts depending upon many factors, amount of oil, weathering, shoreline characteristic. Use at 1:1 or 0.5:1 on oil content. \$12 per gallon in intermediate 275 gallon bulk containers.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:Cytosol is a proven product in oil spill response over 25 years. It is approved by State of California for use in and along California's shoreline.
button:Send

*Sorbent
product
off sheet*

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi
Submitting host: 74-80-60-81.dyn.lusfiber.net (74.80.60.81)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.6; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

Listed: Aqua N-Cap



(121105728) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 10:57 AM

01.Name:Robert A. Threlfall
02.Organization:B & C Group International
03.Email:rt@secure-systems.org
04.Phone:608-318-2213
05.Type:technology
06.Briefdesc:Aqua N-cap is a non toxic, non hazardous super absorbant polymer that can be used on spilled crude oil on water or solid surfaces. See www.tepcoproducts.com
07.Perfcriteria:EPA NCP listed and can be used for spill response in the waters of California.

*Sorbent
COTS*

Absorbs ten times its weight.

08.Cost:Stated to be extremely cost effective. Applied at rate of .5 to 2 pounds per gallon of spilled hydrocarbon. Available in 650 lb. heavy duty containers.

09.Throughput:Unknown.

10.fieldtested:yes

11.Fieldtestingdesc:Diesel spill on pond site and diesel spill on roadway.

My reason for submitting this technology is I believe this polymer could be used on shore lines and around critical nesting sites. Also, consideration should be given to applying Aqua N-cap on shorelines and wetlands before the oil reaches the site. Also, after application of this polymer the resultant mat can be folded up and easily removed.

Note, this technology was suggested by Annette Harpole very briefly on Lisa P. Jackson's Facebook page on May 2, 2010.

Note, I have no affiliation with Tecoproducts.
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: 71-13-147-136.dhcp.mdsn.wi.charter.com (71.13.147.136)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; (R1 1.6); .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; FDM)

Referred: <http://www.epa.gov/bpspill/techsolution.html>



(120183824) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/07/2010 06:38 PM

History: This message has been forwarded.

*Surface water
bioremediation*

01.Name:Peggy Fields
02.Organization:
03.Email:peggyfields@comcast.net
04.Phone:615-371-0947
05.Type:technology, process
06.Briefdesc:S-200 Bioremediation Agent
07.Perfcriteria:The S-200 process is a bioremediation accelerator that binds with hydrocarbon pollution; it exponentially increases the population of hydrocarbon-degrading indigenous bacteria which, in turn, eliminate the hydrocarbon pollution.
08.Cost:The S-200 process costs about US\$50,000 for one year of groundwater cleanup
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:This process was fully tested by the Spanish government and universities during the Prestige tanker spill off the Galatian coast of Spain in late 2002 through 2003. It is the improved second generation version of the bioremediation process used to clean 70 miles of coastline impacted by the Exxon Valdez tanker incident.

Three months after startup at the Nova Iguaçu gas station, the team took soil and groundwater samples, which showed reduced BTEX levels. Within six months, the results were below INEA compliance levels. In April 2009, new sampling and analysis confirmed completion of work at the site.

S-200 is on the U.S. Environmental Protection Agency's National Contingency Plan (NCP) Product Schedule. This listing does not mean that EPA approves, recommends, licenses, certifies, or authorizes the use of S-200 on an oil discharge. This listing means only that data have been submitted to EPA as required by subpart J of the NCP, Section 300.915. The data submitted exceed the testing criteria for the bioremediation effectiveness test and therefore qualifies S-200 to be listed on the product schedule.

<http://eponline.com/articles/2010/03/18/case-study-via-light-gas-station-bioremediation.aspx?admgarea=Features>

This product is also used in the UK and was used in the River Boyne Oil Spill. Perhaps you should contact the UK and Spain for any improvements in this process.

<http://greenblue-env.com/clients.html>

An investigation of using this agent before the oil reaches shore should be considered as there are concerns that what BP may be using may cause new environmental concerns. The government should make the final decision on what chemicals are used in our coastal waters because the consequences will be a concern for the EPA for generations to come.

<http://www.truthout.org/chemicals-meant-to-break-up-bp-oil-spill-present-new-environmental-concerns59069>

button:Send

Product - on list
Aqua N-Cap



(121212607) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

03/02/2010 09:26 PM

Sorbent
Offshore

01.Name:Mel James
02.Organization:RTASCo
03.Email:mel@rtascp
04.Phone:(405) 455-5166
05.Type:technology

06.Briefdesc:Aqua N-Cap is a unique super-absorbent one-of-a-kind tri-block polymer technology used to remediate and clean-up a wide variety hydrocarbon spills on water or solid surfaces.

07.Perfcriteria:Aqua N-Cap can be blown on floating oil with equipment like an insulation blower. It starts the absorption and remediation process immediately on contact with hydrocarbons, it is hydrophobic, floats indefinitely before and after use, effectively absorbs more than 10X its weight, will not adhere to shorelines or other materials, is non-toxic and non-hazardous and is recyclable as a bulk energy source. The product is listed on the EPA NCP list, is approved by the California Fish and Game Department and Canada plus it is FDA approved. Aqua N-Cap encapsulation hydrocarbon is considered safe and permanent enough (leaching characteristics) to qualify for non-hazardous landfill disposal.

08.Cost:Over 50K pounds available for immediate delivery, another 117K pounds can be delivered within a couple of days and another 300K pounds within a week. Cost estimated at \$10.36 per pound excluding shipping cost. Approximate absorption ratio, 1 # Aqua N-cap will absorb and hold approximately 10 #s of crude oil.

09.Throughput:Aqua N-Cap is the sole product of RTASCo, an Oklahoma manufacturer of hydrocarbon and acid remediation products. Contact information is RTASCo, 8001 Mid America Blvd., Suite 125 Oklahoma City, OK73135, Office Phone: 405.455.5166, Fax: 405.455.5715

Mel James, COB, mel@rtasco.com, Cell 405.833.0900, Bill Johnson, President, bill@rtasco.com, Cell 405.388.6802, Jon Fowler, COO/CIO, jfowler@rtasco.com, Cell 405.595.7036, Lyle Burns, CTO, lyledburns@aol.com, Cell 918.440.0830. website is www.rtasco.com

10.fieldtested:yes

11.Fieldtestingdesc:Tinker Air Force Base, Oklahoma City and Other
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.



(123000201) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Mehl, Reggie Washington, Kay
: Morrison

05/04/2010 12:02 AM

Aqua N-Net
Surface collecting agent

01.Name:Annette Harpole
02.Organization:
03.Email:diamondahl@gmail.com
04.Phone:262/619-2346
05.Type:technology, process
06.Briefdesc:How about using sodium bicarbonate to help clean up the BP oil spill in the Gulf of Mexico? It could be a more environmentally friendly and effecient way of cleaning up the Gulf of the oil spil. I surfed the Internet & found a company that says it has an environmentally safe way to clean up oil spills RTASCo. Here's the link:
<http://www.tepcoproducts.com/public/productInfo.cfm?prodid=4>.
Aqua-N-Cap Polymer. I do not know anything about the company RTASCo but just thought I would submit this idea for EPA's and/or BP Oil Company's consideration in trying to figure out a way to clean up BP's oil spill in the Gulf of Mexico.
07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

WARNING NOTICE

This electronic mail originated from a federal government computer system of the United States Environmental Protection Agency (EPA). Unauthorized access or use of this EPA system may subject violators to criminal, civil and/or administrative action. For official purposes, law enforcement and other authorized personnel may monitor, record, read, copy and disclose all information which an EPA system processes. Any person's access or use, authorized and unauthorized, of this EPA system to send electronic mail constitutes consent to these terms.

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi
Submitting host: adsl-69-210-41-195.dsl.milwwi.ameritech.net (69.210.41.195)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB6.4; Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1) ; .NET CLR 1.0.3705; .NET CLR 1.1.4322; Media Center PC 4.0; IEMB3; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; InfoPath.2; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; yie8)
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt

Dup?

**(120183824) Oil Spill Technology Solution**

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/01/2010 06:38 PM

History: This message has been forwarded.

01.Name:Peggy Fields
 02.Organization:
 03.Email:peggyfields@comcast.net
 04.Phone:615-371-0947
 05.Type:technology, process
 06.Briefdesc:S-200 Bioremediation Agent
 07.Perfcriteria:The S-200 process is a bioremediation accelerator that binds with hydrocarbon pollution; it exponentially increases the population of hydrocarbon-degrading indigenous bacteria which, in turn, eliminate the hydrocarbon pollution.
 08.Cost:The S-200 process costs about US\$50,000 for one year of groundwater cleanup
 09.Throughput:
 10.fieldtested:yes
 11.Fieldtestingdesc:This process was fully tested by the Spanish government and universities during the Prestige tanker spill off the Galatian coast of Spain in late 2002 through 2003. It is the improved second generation version of the bioremediation process used to clean 70 miles of coastline impacted by the Exxon Valdez tanker incident.

See same as before
Bioremediation
NCP

Three months after startup at the Nova Iguaçu gas station, the team took soil and groundwater samples, which showed reduced BTEX levels. Within six months, the results were below INEA compliance levels. In April 2009, new sampling and analysis confirmed completion of work at the site.

S-200 is on the U.S. Environmental Protection Agency's National Contingency Plan (NCP) Product Schedule. This listing does not mean that EPA approves, recommends, licenses, certifies, or authorizes the use of S-200 on an oil discharge. This listing means only that data have been submitted to EPA as required by subpart J of the NCP, Section 300.915. The data submitted exceed the testing criteria for the bioremediation effectiveness test and therefore qualifies S-200 to be listed on the product schedule.

<http://eponline.com/articles/2010/03/18/case-study-via-light-gas-station-bioremediation.aspx?admgarea=Features>

This product is also used in the UK and was used in the River Boyne Oil Spill. Perhaps you should contact the UK and Spain for any improvements in this process.

<http://greenblue-env.com/clients.html>

An investigation of using this agent before the oil reaches shore should be considered as there are concerns that what BP may be using may cause new environmental concerns. The government should make the final decision on what chemicals are used in our coastal waters because the consequences will be a concern for the EPA for generations to come.

<http://www.truthout.org/chemicals-meant-to-break-up-bp-oil-spill-present-new-environmental-concerns59069>

button:Send